



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D130-701-043
Job Sheet 174503



Part No: D130-701-043

Job Qty: 1 ea

Part Name: EC130 Heli-Utility-Basket™ - Airframe Mount, Fits LH or RH



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 3/16/18

Job Tracking No:

Due Date: 4/20/18

Created By: Michelle Gagnon-Donovan

Type: SOLD

Description:

Note: DWG DS9769 REV A, IIN D130-701 REV.G SHEETS 12,13 IPP REV:A NEW ISSUE 10-04-20 JLM VERIFIED BY:DD IPP Rev:B 11.01.31 now @ chg003 DD verified by:ec IPP Rev:C 11.03.21 now @ chg004 DD verified by:ec IPP Rev:D 11.04.27 per ecn 11-554 DD verified by:ec IPP Rev:E 14.04.11 DS19693 REV.A DD VERF:JLM IPP Rev:F 16.11.03 now @ chg008 DD VERF:JLM IPP Rev:G 17.02.13 now @ chg009 DD VERF:JLM IPP Rev:H 18.02.26 AS PER IIN REV.G DD VERF:DP

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea		4/19/18	0.00	0.00	Start Up Stores/Pkg-2		18-4-26
110	Packaging	1 pcs		4/19/18	0.00	0.00	Packaging1-1		18-4-27
120	Small Fab	1 pcs		4/20/18	0.00	2.23	Small Fab-1		18-4-21
130	QC	1 pcs		4/20/18	0.00	0.00	QC5		38
140	Packaging	1 pcs		4/20/18	0.00	0.00	Packaging1-1		9-89
150	QC	1 pcs		4/20/18	0.00	0.00	QC4		SMB
155	DC	1 pcs		4/20/18	0.00	0.00	DC		SMB
160	Packaging	1 pcs		4/20/18	0.00	0.00	Packaging3-1		SMB
170	QC21-FG	1 Ea		4/20/18	0.00	0.00	QC21		18/05/02

Part Op 110 - PICK KIT FOR BASKET ASSEMBLY

Descriptions: 120 - Assemble as per Dwg IIN-D130-701

155 - Photocopy blue file and type labels per PPP D130-701-043 CHG0010

160 - Identify and pack for shipping as per PPP D130-701-043 PPP Rev:

DAS
21
9-89

MAY 02 2018



Container No: S064581



Part: D130-701-043

Job No: 174503

Serial No/Batch: S064581

Revision: A/G

Inspector:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 04/24/18

2636

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
AN3-16A	Bolt	2 Ea (2 ea)	110-Packaging	SOH5859
AN4-22A	Bolt	1 Ea (1 ea)	110-Packaging	SOH6794
AN4-24A	Bolt	1 Ea (1 ea)	110-Packaging	fm 137371-1
AN4-7A	Bolt	2 Ea (2 ea)	110-Packaging	fm 137920.80
AN5-17A	Bolt	4 Ea (4 ea)	110-Packaging	SOH48398
AN970-4	Washer	4 Ea (4 ea)	110-Packaging	SOH6395
D2022-101	Spacer	2 Ea (2 ea)	110-Packaging	SOH9082
D2258-220	Placard	1 Ea (1 ea)	110-Packaging	SOH01794
D2332-041	Lid Prop Assembly 6.69"	1 Ea (1 ea)	110-Packaging	SOH53088
D2512	Basket Lid	1 Ea (1 ea)	110-Packaging	SOH57845
D2530	Handle Weldment	1 Ea (1 ea)	110-Packaging	SOH45172
D2535	Spring	2 Ea (2 ea)	110-Packaging	SOH7896
D2537	Bushing	2 Ea (2 ea)	110-Packaging	SOH3700
D2931	Bumper	2 Ea (2 ea)	110-Packaging	SOH6435
D3172-041	Basket Base Assembly	1 Ea (1 ea)	110-Packaging	SOH52966
MS20600-AD4W3	Cherry Rivet	2 Ea (2 ea)	110-Packaging	SOH42091
MS21042L3	Nut	2 Ea (2 ea)	110-Packaging	SOH87601
MS21042L4	Nut	4 Ea (4 ea)	110-Packaging	SOH5901
MS21042L5	Nut	4 Ea (4 ea)	110-Packaging	SOH1167
NAS1149D0416J	Washer	2 Ea (2 ea)	110-Packaging	FM131511
NAS1149D0463J	Washer	2 Ea (2 ea)	110-Packaging	SOH5845
NAS1149D0563J	Washer	4 Ea (4 ea)	110-Packaging	SOH9030
NAS1149DN832J	Washer	2 Ea (2 ea)	110-Packaging	FM137582-15
AN4-14A	Bolt	2 Ea (2 ea)	140-Packaging	SOH1723
AN4-14A	Bolt	2 Ea (2 ea)	140-Packaging	SOH27123
AN4-6A	Bolt	2 Ea (2 ea)	140-Packaging	SOH44186
AN5-10A	Bolt	16 Ea (16 ea)	140-Packaging	SOH7095
D4037-1	Aft Crossbeam	1 Ea (1 ea)	140-Packaging	SOH1023
D4037-3	Fwd Crossbeam	1 Ea (1 ea)	140-Packaging	SOH1026
D4038-041	Angle Assembly Fwd LH	1 Ea (1 ea)	140-Packaging	SOH5100
D4038-042	Angle Assembly Fwd RH	1 Ea (1 ea)	140-Packaging	SOH5116
D4038-043	Angle Assembly Aft LH	1 Ea (1 ea)	140-Packaging	SOH5497
D4038-044	Angle Assembly Aft RH	1 Ea (1 ea)	140-Packaging	SOH5446 SOH5496
D4039-041	#N/A	1 Ea (1 ea)	140-Packaging	SOH67249
D4039-043	Aft Bracket Assembly	1 Ea (1 ea)	140-Packaging	SOH67253
D4040-1	Radius Block	4 Ea (4 ea)	140-Packaging	SOH4862
D4090-1	Placard	1 Ea (1 ea)	140-Packaging	SOH07540
D4090-3	Placard	1 Ea (1 ea)	140-Packaging	SOH67539
D4090-5	Placard	1 Ea (1 ea)	140-Packaging	SOH55425
D4090-7	Placard	1 Ea (1 ea)	140-Packaging	SOH165796
D5359-041	Strut Assembly, LH/RH	1 Ea (1 ea)	140-Packaging	SOH2918
D5393-041	Strut Assembly	1 Ea (1 ea)	140-Packaging	SOH32489
D5394-043	Bracket Assembly	1 Ea (1 ea)	140-Packaging	SOH2287
D5395-1	Bracket	1 Ea (1 ea)	140-Packaging	SOH165816
MS20002C5	Washer	1 X SOH65261 8 pcs (8 ea)	140-Packaging	FM131061-1507
MS20002C6	Washer	12 Ea (12 ea)	140-Packaging	SOH27130
MS21042L4	Nut	8 Ea (8 ea)	140-Packaging	SOH5901
MS21042L5	Nut	28 Ea (28 ea)	140-Packaging	SOH41161
MS21042L6	Nut	12 Ea (12 ea)	140-Packaging	SOH37399
MS21250-05032	Bolt	4 Ea (4 ea)	140-Packaging	SOH16901
MS21250-05038	Bolt	4 Ea (4 ea)	140-Packaging	SOH16900
MS21250-06018	Bolt	12 Ea (12 ea)	140-Packaging	SOH13776x7 SOH8534x10
NAS1149D0463J	Washer	7 Ea (7 ea)	140-Packaging	SOH48845
NAS1149D0563J	Washer	44 Ea (44 ea)	140-Packaging	SOH30306
NAS1149D0663J	Washer	12 Ea (12 ea)	140-Packaging	SOH24481
NAS1149F0463P	Washer	4 Ea (4 ea)	140-Packaging	FM13776x7

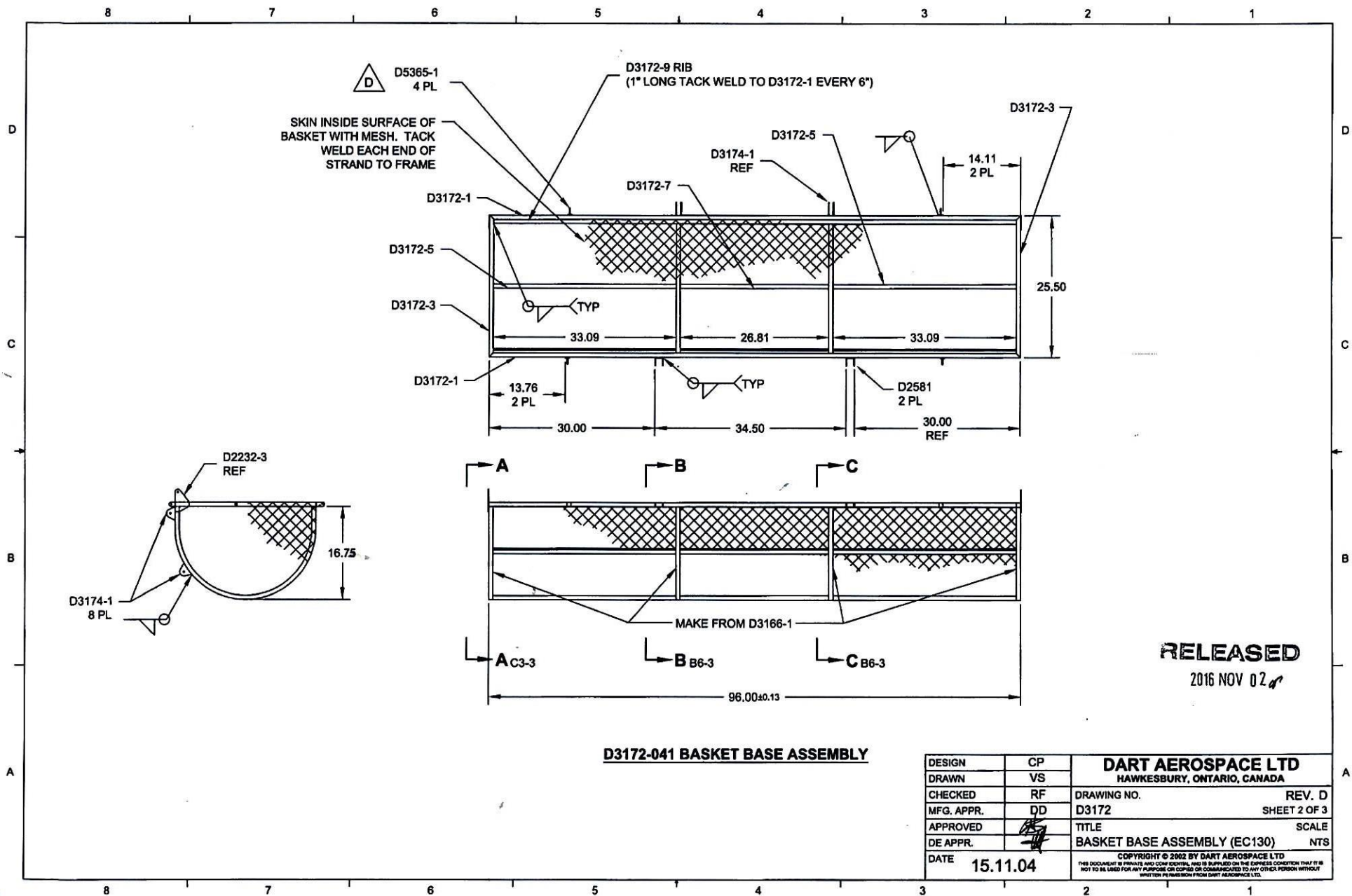
Job Allocations

Operation	Component Part	Required	Inventory	Allocated
110-Packaging	AN3-16A	2	132	0
	AN4-22A	1	79	0
	AN4-24A	1	20	0
	AN4-7A	2	76	0
	AN5-17A	4	146	0
	AN970-4	4	208	0
	D2022-101	2	69	0
	D2258-220	1	9	0
	D2332-041	1	6	0
	D2512	1	1	0
	D2530	1	27	0
	D2535	2	45	0
	D2537	2	102	0
	D2931	2	1,110	0
	D3172-041	1	0	0
	MS20600-AD4W3	2	215	0
	MS21042L3	2	2,865	0
	MS21042L4	4	3,022	0
	MS21042L5	4	780	0
	NAS1149D0416J	2	3,240	0
	NAS1149D0463J	2	3,954	0
	NAS1149D0563J	4	2,196	0
	NAS1149DN832J	2	2,406	0
140-Packaging	AN4-14A	4	409	0
	AN4-6A	2	610	0
	AN5-10A	16	195	0
	D4037-1	1	1	0
	D4037-3	1	1	0
	D4038-041	1	1	0
	D4038-042	1	0	0
	D4038-043	1	0	0
	D4038-044	1	0	0
	D4039-041	1	0	0
	D4039-043	1	0	0
	D4040-1	4	11	0
	D4090-1	1	8	0
	D4090-3	1	8	0
	D4090-5	1	7	0
	D4090-7	1	3	0
	D5359-041	1	4	0
	D5393-041	1	5	0
	D5394-043	1	3	0
	D5395-1	1	1	0
	MS20002C5	8	14	0
	MS20002C6	12	77	0
	MS21042L4	8	3,022	0
	MS21042L5	28	780	0
	MS21042L6	12	484	0
	MS21250-05032	4	12	0
	MS21250-05038	4	12	0
	MS21250-06018	12	12	0
	NAS1149D0463J	7	3,954	0
	NAS1149D0563J	44	2,196	0
	NAS1149D0663J	12	1,489	0
	NAS1149F0463P	4	91	0

Part Specifications

Specifications could not be found.

Plex 3/16/18 2:17 PM Dart.Gagnon.Michelle



8 7 6 5 4 3 2 1

D

D

C

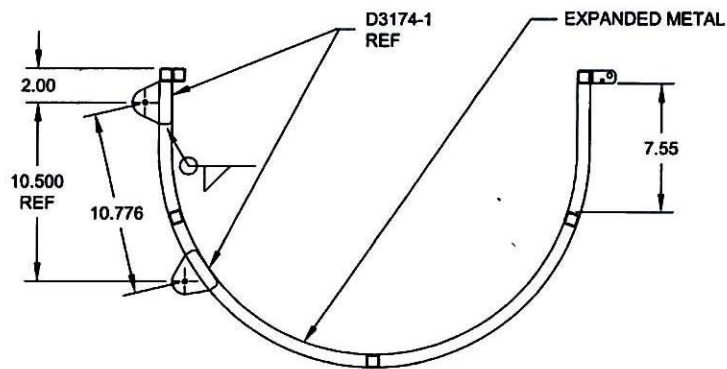
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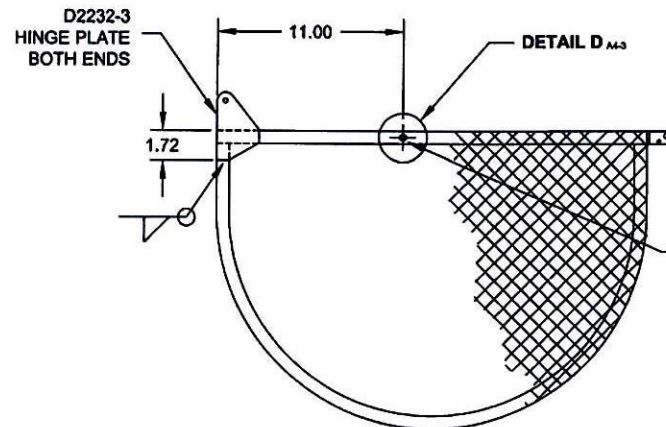
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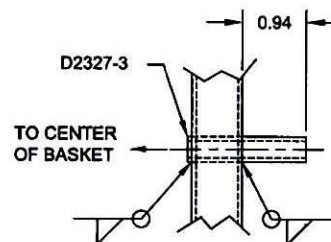
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**SECTION B-B^{B5-2}
AND SECTION C-C^{B3-2}**
RIB DETAIL
SCALE 2X



SECTION A-A^{B5-2}
SPACER DETAIL
SCALE 2X



DETAIL D^{D3-3}
SCALE 4X

RELEASED

2016 NOV 02 *qr*

DESIGN	CP	DART AEROSPACE LTD	
DRAWN	VS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	RF	DRAWING NO.	REV. D
MFG. APPR.	DD	D3172	SHEET 3 OF 3
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	BASKET BASE ASSEMBLY (EC130)	NTS
DATE	15.11.04	COPYRIGHT © 2002 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

8 7 6 5 4 3 2 1

Qty -041	Qty -043	Qty -011	Qty -013	Part Number	Description
10 (4)	28 (4)	24	24	+MS21042L5	NUT (OR MS21042-5)
	12	12		MS21042L6	NUT (OR MS21042-6)
	4	4	4	MS21250-05032	BOLT
	4	4	4	MS21250-05038	BOLT
	12	12		MS21250-06018	BOLT
2	2			*NAS1149DN832J	WASHER (AN960JD8)
2	2			*NAS1149D0416J	WASHER (AN960JD416L)
7 (2)	7 (2)			+NAS1149D0463J	WASHER (AN960JD416)
16 (4)	44 (4)	40	40	+NAS1149D0563J	WASHER (AN960JD516)
	12	12		NAS1149D0663J	WASHER (AN960JD616)

* Pre-assembled prior to shipping

+ Quantity in () preassembled prior to shipping

5.2. FOR D130-701-041 HELI-UTILITY BASKET KITS AT CHG 005 AND SUBSEQUENT, AND FOR D130-701-043 HELI-UTILITY BASKET KITS AT CHG 007 AND SUBSEQUENT

No change to D130-701-011 Conversion Kits and D130-701-013 Fixed Provisions Kit.

Qty -041	Qty -043	Part Number	Description
X		D130-701-041	HELI-UTILITY-BASKET
	X	D130-701-043	HELI-UTILITY BASKET
2	2	*D2022-101	SPACER
1	1	*D2258-220	LABEL
1	1	*D2332-041	PROP ASSEMBLY
1	1	*D2512	BASKET LID ASSEMBLY
1	1	*D2530	HANDLE ASSEMBLY
2	2	*D2535	SPRING
2	2	*D2537	BUSHING
2	2	*D2931	BUMPER
1	1	*D3172-041	BASKET BASE ASSEMBLY
2		D3173-041	BEAM ASSEMBLY
1		D3177-041	BRACKET ASSEMBLY
1		D3177-043	BRACKET ASSEMBLY
	1	D4037-1	AFT CROSSBEAM
	1	D4037-3	FWD CROSSBEAM
	1	D4038-041	ANGLE ASSEMBLY, FWD, LH
	1	D4038-042	ANGLE ASSEMBLY, FWD, RH
	1	D4038-043	ANGLE ASSEMBLY, AFT, LH
	1	D4038-044	ANGLE ASSEMBLY, AFT, RH
	1	D4039-041	FWD BRACKET ASSEMBLY
	1	D4039-043	AFT BRACKET ASSEMBLY
	4	D4040-1	RADIUS BLOCK
	1	D4090-1	PLACARD
	1	D4090-3	PLACARD
	1	D4090-5	PLACARD
	1	D4090-7	PLACARD
	1	D5359-041	STRUT ASSEMBLY
	1	D5359-042	STRUT ASSEMBLY
	1	D5367-1	BUSHING
	1	D5393-041	STRUT ASSEMBLY

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Revision: **G**

Date: 18.01.10

REFERENCE ONLY

DART AEROSPACE LTD.

IIN-D130-701

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Qty -041	Qty -043	Part Number	Description
	1	D5394-043	BRACKET
	1	D5395-1	BRACKET
2	2	*AN3-16A	BOLT
2	2	AN4-6A	BOLT
2	2	AN4-14A	BOLT
1	1	*AN4-22A	BOLT
1	1	*AN4-24A	BOLT
(2)	(2)	+AN4-7A	BOLT
4	16	AN5-10A	BOLT
4	4	*AN5-17A	BOLT
2		AN5-23A	BOLT
4	4	*AN970-4	WASHER
	8	MS20002C5	WASHER
	12	MS20002C6	WASHER
2	2	*MS20600AD4W3	RIVET
2	2	*MS21042L3	NUT (OR MS21042-3)
8 (4)	8 (4)	+MS21042L4	NUT (OR MS21042-4)
10 (4)	28 (4)	+MS21042L5	NUT (OR MS21042-5)
	12	MS21042L6	NUT (OR MS21042-6)
	4	MS21250-05032	BOLT
	4	MS21250-05038	BOLT
	12	MS21250-06018	BOLT
2	2	*NAS1149DN832J	WASHER (AN960JD8)
2	2	*NAS1149D0416J	WASHER (AN960JD416L)
7 (2)	7 (2)	+NAS1149D0463J	WASHER (AN960JD416)
16 (4)	44 (4)	+NAS1149D0563J	WASHER (AN960JD516)
	12	NAS1149D0663J	WASHER (AN960JD616)
4	4	NAS1149F0463P	WASHER

* Pre-assembled prior to shipping

+ Quantity in () preassembled prior to shipping

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Revision: **G**

Date: 18.01.10

4.0 WEIGHT AND BALANCE

There is a negligible weight and balance change associated with this modification.

5.0 PARTS LIST

Update the Parts List in IIN-D130-701 Rev F and ICA-D130-701 Rev 5 as follows for D130-701-043 at CHG 009 or later and D130-701-041 at CHG 006 or later.

QTY -041	QTY -043	Part Number	Description
X		D130-701-041	HELI-UTILITY-BASKET
	X	D130-701-043	HELI-UTILITY-BASKET
1	1	D5359-041	STRUT ASSEMBLY
	1	D5359-042	STRUT ASSEMBLY
	1	D5367-1	BUSHING

DELETE

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 16.12.22
CERT. NO.: SH94-14
ISSUE NO.: 7

APPROVED

DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN	NO	
CHECKED	AJS	DRAWING NO. REV. A
MFG. APPR.	N/A	DSI 9769 SHEET 3 OF 3
APPROVED	WM	TITLE SCALE
DE APPR.	DS	STRUT INSTALLATION NTS
DATE	16.12.22	COPYRIGHT © 2016 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

Change Record

PAGE 1 OF 1

Part Number: D130-701-043

Description: HELI-UTILITY BASKET

[illegible]

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐								
		OTHER :							